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(19) **United States**(12) **Patent Application Publication****Rossi et al.**(10) **Pub. No.: US 2011/0013292 A1**(43) **Pub. Date: Jan. 20, 2011**(54) **WAFER STACK, INTEGRATED OPTICAL
DEVICE AND METHOD FOR FABRICATING
THE SAME**(75) Inventors: **Markus Rossi, Jona (CH);
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B23P 11/00 (2006.01)(52) **U.S. Cl. 359/738; 359/893; 29/428**(57) **ABSTRACT**

In a method for fabricating an integrated optical device by creating a wafer stack by stacking at least a top wafer carrying as functional elements a plurality of lenses on at least one further wafer including further functional elements, and separating the wafer stack into a plurality of integrated optical devices, wherein corresponding functional elements of the top and further wafer are aligned with each other and define a plurality of main optical axes, a method for providing a sunshade plate as part of an integrated optical device (10), including the steps of: providing a sunshade plate having a plurality of through holes, the through holes being arranged to correspond to the arrangement of the functional elements on the top wafer; and stacking the sunshade plate on the top wafer, with the through holes being aligned with said main optical axes.

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